


DC BRUSH-LESS FAN**Publication number:** JP2000201464**Publication date:** 2000-07-18**Inventor:** FUKUDA YOSHIKI; YAMAGUCHI TAKAMASA**Applicant:** MATSUSHITA ELECTRIC IND CO LTD**Classification:**

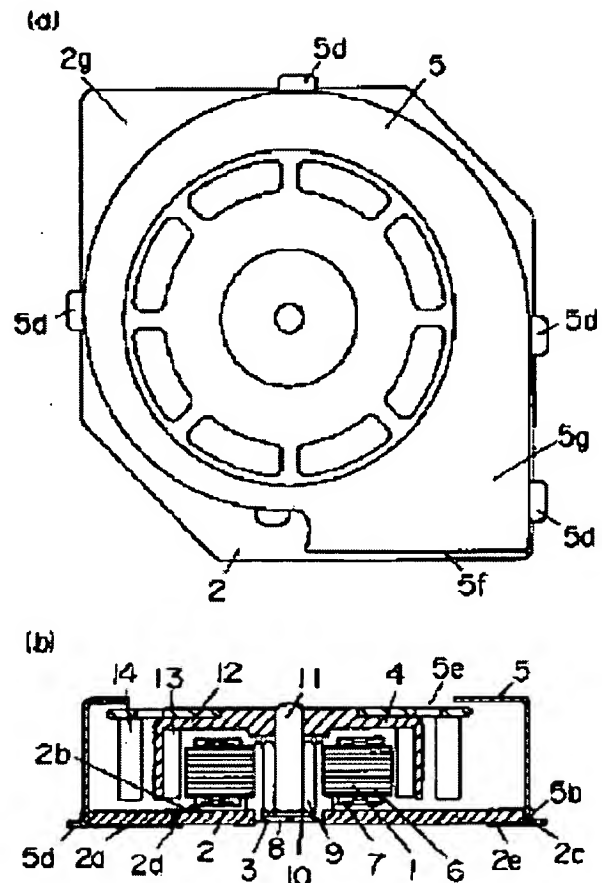
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Application number: JP19990001722 19990107**Priority number(s):** JP19990001722 19990107**Also published as:**
 US6394768 (B1)
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PROBLEM TO BE SOLVED: To provide a small-sized equipment of high productivity and high reliability which can be collectively re-flow soldered to a substrate and can be mounted in high efficiently and in high density in a base board, so that high shock resistance can be given to a DC brush-less fan and its connection part.

SOLUTION: This DC brush-less fan has an outer shell comprising a bottom surface, side surface, and an upper surface, the bottom surface is adjacently opposed to a base board of an equipment, a bottom surface side has a plurality of lands 2a, 2e having a function mechanically or electrically solder connection to the base board of the equipment, and the inside of the outer shell is provided with a stator 1, bearing device 3, and a rotor 4. The stator 1 has a stator core 6 and a coil 7 wound thereto, the rotor 4 having a magnet 13 is supported to the bearing device 3, and a fan blade 14 rotated with the rotor 4 is provided.



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